

Message Text

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ACTION EB-11

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 RSC-01 TRSE-00

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FM USMISSION OECD PARIS

TO SECSTATE WASHDC 1311

C O N F I D E N T I A L OECD PARIS 31208

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, JA, UR

SUBJECT: JAPANESE MEMORY WIRE PLANE PLANT TO USSR -IL 1358

REF: A. COCOM DOC (73)2037

B. STATE 228216

SUMMARY: THIS MESSAGE GIVES JAPANESE REPLY TO US AND FRENCH
QUESTIONS. END SUMMARY

1. JAPANESE MEMO (73) 2388, DEC 5, REPLIES AS FOLLOWS TO
REF B QUERIES:

- (1) THE PLATED WIRE MEMORY SYSTEM IS WOVEN WIRE SYSTEM.
- (2) THERMAL PRESS AND INSERTION MACHINE ARE CAPABLE OF
PRODUCING WOVEN WIRE SYSTEMS ONLY. THE OTHER EQUIPMENT CAN
BE USED FOR THE PRODUCTION OF WIRE MEMORY PLANE OF TUNNEL
SYSTEM TYPE. HOWEVER, AS THESE EQUIPMENT ARE DESIGNED
PRIMARILY FOR THE PURPOSE OF WOVEN WIRE SYSTEMS, THE
OPERATIONAL CHARACTERISTICS OF A TUNNEL-SYSTEM WIRE
MEMORY PLANE TO BE PRODUCED BY THESE EQUIPMENT WILL
BE LOWER.
- (3) NO TECHNICAL DATA FOR THE MANUFACTURE OF THE MEMORY
SYSTEM IS INVOLVED.

(4) WIRE MEMORY PLANES ARE PRODUCED FROM POLYETHYLENE
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AND FERRITE POWDER AND, THEREFORE, THEIR OPERATIONAL

TEMPERATURERANGE IS NOT HIGHER THAN 70DEGREES C. FURTHERMORE, THEY ARE NOT THOSE OF THE TUNNEL SYSTEM WHICH WOULD BE STRATEGICALLY MUCH MORE IMPORTANT BECAUSE OF THEIR HIGH DENSITY AND LOWER POWER CONSUMPTION. THEREFORE, IN THE OPINION OF THE JAPANESE AUTHORITIES, THOSE SYSTEMS ARE STRATGICALLY NOT IMPORTANT.

2. REQUEST INSTRUCTIONS FOR US POSITION OR ADDITIONAL QUESTIONS BE SEND USDEL PRIOR TO DEC 19.

3. SAME MEMO ALSO REPLIES AS FOLLOWS TO POST-FACTO FRENCH QUERIES REFLECTED PARA 6, COCOM DOC (73) 2202:

(1) THE SIZE OF A 8 K BYTES UNIT TO BE PRODUCED BY THE U.S.S.R. USING THE WIRE MEMORY PLANE TO BE MANUFACTURED BY THE SAID PLANT IS NOT KNOWN TO THE JAPANESE AUTHORITIES. HOWEVER, THE STANDARD SIZE OF A 8 K BYTES UNIT PRODUCED BY THE NIPPON ELECTRIC COMPANY IS 465 MM X 350 MM X 12 MM ((THE SIZE OF A 8 K BYTES PLANE (TO E PRODUCED BY LAYING A 4 K BYTES PLANE ON ANOTHER) IS 270 MM X 165 MM X 1.5 MM)).

(2) THE PLANT IS CAPABLE OF PRODUCING UP TO 60 MILLIONS BITS PER YEAR.

(3) ACCESS TIME TO 8 K BYTES LEVEL SYSTEM IS IMPOSSIBLE TO ESTIMATE AS THE CAPABILITY OF THE PERIPHERIES TO BE PRODUCEDBY THE U.S.S.R. IS NOT KNOWN TO THE JAPANESE AUTHORITIES.

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